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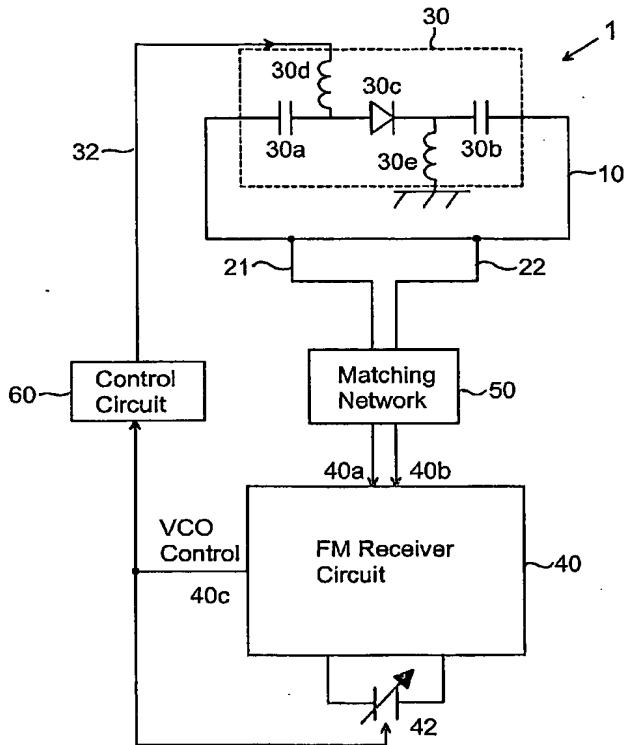
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(54) Title: ANTENNA DEVICE AND PORTABLE RADIO COMMUNICATION DEVICE COMPRISING SUCH ANTENNA DEVICE



(57) Abstract: An antenna device for a portable radio communication device adapted for receiving radio signals comprises an internal radiating element (10) comprising at least one feeding portion (21, 22) connected to a receiver circuit (40). The radiating element (10) comprises an electrical impedance (30) that is controllable in dependence on the desired frequency range of the received signals, wherein the feeding portion (21, 22) is connected to a feeding input (40a, 40b) on the receiver circuit and the control input of the controllable electrical impedance (30) is connected to an output (40c) on the receiver circuit (40) intended for the control of the VCO resonance frequency of the receiver circuit. In that way an antenna device can be provided inside the casing of a small sized portable radio communication device, which has good performance throughout a narrow sub-band of a frequency band having a relatively low frequency, wherein the narrow sub-band can be adjusted in frequency so as to cover the entire frequency band, such as the FM radio band.

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